



\*\*FILE\*\*ID\*\*STRLNK

K 1

SSSSSSSS	TTTTTTTT	RRRRRRRR	LL	NN	NN	KK	KK
SSSSSSSS	TTTTTTTT	RRRRRRRR	LL	NN	NN	KK	KK
SS	TT	RR	RR	NN	NN	KK	KK
SS	TT	RR	RR	NN	NN	KK	KK
SS	TT	RR	RR	NNNN	NN	KK	KK
SS	TT	RR	RR	NNNN	NN	KK	KK
SSSSSS	TT	RRRRRRRR	LL	NN	NN	KKKKKK	
SSSSSS	TT	RRRRRRRK	LL	NN	NN	KKKKKK	
SS	TT	RR RR	LL	NN	NNNN	KK	KK
SS	TT	RR RR	LL	NN	NNNN	KK	KK
SS	TT	RR RR	LL	NN	NN	KK	KK
SS	TT	RR RR	LL	NN	NN	KK	KK
SSSSSSSS	TT	RR RR	LLLLLLLL	NN	NN	KK	KK
SSSSSSSS	TT	RR RR	LLLLLLLL	NN	NN	KK	KK

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RRRRRRRR	EEEEEEEEE	QQQQQQ
RRRRRRRR	EEEEEEEEE	QQQQQQ
RR RR	EE	QQ
RRRRRRRR	EEEEEEEEE	QQ
RRRRRRRR	EEEEEEEEE	QQ
RR RR	EE	QQ QQ
RR RR	EE	QQ QQ
RR RR	EE	QQ QQ
RR RR	EE	QQ QQ
RR RR	EEEEEEEEE	QQQQ QQ
RR RR	EEEEEEEEE	QQQQ QQ

Require file STRLNK.REQ Edit: RKR1011

This file, STRLNK.REQ, defines the linkages to the STR facility,  
and to the routines LIB\$SCOPY\_R\_DX6, LIB\$SCOPY\_DDX6, LIB\$FREEI\_DD6  
and LIB\$ANALYZE\_SDESC\_R2.

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AUTHOR: R. Will, CREATION DATE: 20-FEB-79

MODIFIED BY:

- 1-001 - Original. RW 20-FEB-79
- 1-002 - Add linkages for by ref entry points. RW 15-Mar-79
- 1-003 - Add linkages for GET and FREE JSB entry points.  
JBS 04-JUN-1979
- 1-004 - Remove PRINT statement, for new BLISS compiler.  
JBS 02-OCT-1979
- 1-005 - Make \$SMOVO, add LEFT, RIGHT, LEN\_EXTR, POS\_EXTR.  
RW 1-Nov-79
- 1-006 - Add POSIT. RW 1-NOV-79
- 1-007 - Add DUPL CHAR. RW 7-Nov-79
- 1-008 - Add REPLACE. RW 3-Dec-79
- 1-009 - Add linkages to LIB\$SCOPY\_R\_DX6, LIB\$SCOPY\_DDX6,  
LIB\$FREEI\_DD6, LIB\$ANALYZE\_SDESC\_R3, and  
STR\$CHECK\_STATUS\_R2.  
RKR 3-MAY-1981.
- 1-010 - Add linkage to STR\$ANALYZE\_SDESC\_R2. RKR 19-OCT-1981.
- 1-011 - Revised linkage to LIB\$ANALYZE\_SDESC\_R2 to not use R3.  
Revised linkage to STR\$ANALYZE\_SDESC\_R1 to not use R2.  
RKR 18-NOV-1981.

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!- Public linkages. These begin with STR\$. Private linkages (only used within the STR facility) begin with STR\$\$.

## LINKAGE

!+ JSB interface for routine written in MACRO to do a MOVQ  
! arguments are passed in R0 and R1, no other registers are used

STR\$\$JSB\_MOVQ = JSB (REGISTER = 0, REGISTER = 1) :  
NOTUSED (2, 3, 4, 5, 6, 7, 8, 9, 10, 11),

!+ JSB interface for STR\$COPY routines. User is responsible for R2-R8,  
they will be destroyed. R9, R10 and R11 are not used.  
DX linkage is for routines called with 2 descriptors. R linkage  
is used for routines called with source length and address and  
the destination descriptor.

STR\$JSB\_COPY\_DX = JSB (REGISTER = 0, REGISTER = 1) :  
NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
NOTUSED (9, 10, 11);

STR\$JSB\_COPY\_R = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
NOTUSED (9, 10, 11);

!+ JSB interface for STR\$LEFT

STR\$JSB\_LEFT = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
NOTUSED (9, 10, 11);

!+ JSB interface for STR\$RIGHT

STR\$JSB\_RIGHT = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
NOTUSED (9, 10, 11);

!+ JSB interface for STR\$LEN\_EXTR\_R8

STR\$JSB\_LEN\_EXT = JSB  
(REGISTER = 0, REGISTER = 1, REGISTER = 2, REGISTER = 3) :  
NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
NOTUSED (9, 10, 11);

+ JSB interface for STR\$POS\_EXTR\_R8

STR\$JSB\_POS\_EXT = JSB  
(REGISTER = 0, REGISTER = 1, REGISTER = 2, REGISTER = 3) :  
NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
NOTUSED (9, 10, 11).

+ JSB interface for STR\$DUPL\_CHAR\_R8

STR\$JSB\_DUPL\_CH = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2):  
NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
NOTUSED (9, 10, 11).

+ JSB interface for STR\$REPLACE

STR\$JSB\_REPLACE = JSB  
(REGISTER = 0, REGISTER = 1, REGISTER = 2, REGISTER = 3, REGISTER = 4):  
NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
NOTUSED (9, 10, 11).

+ JSB interface for STR\$POSITION\_R6

STR\$JSB\_POSIT = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2):  
NOPRESERVE (2, 3, 4, 5, 6)  
NOTUSED (7, 8, 9, 10, 11).

+ JSB interface for STR\$GET1\_DX and STR\$FREE1\_DX routines.

STR\$JSB\_GETFRE = JSB (REGISTER = 0, REGISTER = 1) :  
NOPRESERVE (4, 3, 2, 1, 0)  
NOTUSED (11, 10, 9, 8, 7, 6, 5).

+ JSB interface for LIB\$SCOPY\_R\_DX6, LIB\$SCOPY\_DDX6 and  
LIB\$SFREE1\_DD6 routines.

STRING\_JSB = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
NOPRESERVE (2, 3, 4, 5, 6)  
NOTUSED (7, 8, 9, 10, 11).

+ JSB interface for LIB\$ANALYZE\_SDESC\_R2 routine.

LIB\$ANALYZE\_SDESC\_JSB\_LINK = JSB (REGISTER = 0  
REGISTER = 1, REGISTER = 2) :  
NOTUSED (3, 4, 5, 6, 7, 8, 9, 10, 11),

+ JSB interface for STR\$ANALYZE\_SDESC\_R1 routine.

!-

STR\$ANALYZE\_SDESC\_JSB\_LINK = JSB ( REGISTER = 0 :  
REGISTER = 0, REGISTER = 1 ) :  
NOTUSED (2,3,4,5,6,7,8,9,10,11),

!+ JSB interface for STR\$\$CHECK\_STATUS\_R2 routine.

STR\$\$CHECK\_STATUS\_LINKAGE = JSB ( REGISTER = 0 ) :  
NOPRESERVE (1, 2)  
NOTUSED (3, 4, 5, 6, 7, 8 ,9, 10, 11) ;

! End of file STRLNK.REQ

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VAX/VMS V4.0

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REQ

STRMACROS  
REQ

RTLOOBG  
REQ

RTLMACMAR  
MAR

LIBASCEBC  
LIS

LIBASTINP  
LIS

LIBBINTRE  
LIS

LIBCHAR  
LIS

LIBDEF  
FOR

LIBANASTR  
LIS

LIBASNMBX  
LIS

LIBBBCCI  
LIS

LIBABURCA  
LIS

LIBADDX  
LIS

LIBASCTIM  
LIS

LIBATTACH  
LIS

LIBBSSI  
LIS

LIBCALLG  
LIS

LIBCLICAL  
LIS

SIGDEF  
FOR

LIBTABMAC  
MAR

LIBA2EREU  
LIS

LIBADOP  
LIS

STRNPK  
REQ

LIBCALLG  
LIS

LIBCLICAL  
LIS